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**DATE:** April 26, 2004  
**FILE NO:** AMAT/4582/CMP/ECP/RKK  
**TO:** Examiner Robert R. Koehler  
**FAX NO:** 703-872-9306  
**PHONE NO:** 571-272-1535  
**COMPANY:** USPTO  
**FROM:** Robb D. Edmonds  
**PAGE(S) with cover:** 5  
**ORIGINAL TO FOLLOW?** ☐ YES ☒ NO

**RESPONSE TO FINAL OFFICE ACTION DATED FEBRUARY 24, 2004**

**TITLE:** METHOD AND APPARATUS TO OVERCOME ANOMALIES  
IN COPPER SEED LAYERS AND TO TUNE FOR FEATURE  
SIZE AND ASPECT RATIO  
**U.S. SERIAL NO.:** 09/853,962  
**FILING DATE:** MAY 10, 2001  
**INVENTOR:** HEY, ET AL.  
**EXAMINER:** ROBERT R. KOEHLER  
**GROUP ART UNIT:** 1775  
**CONFIRMATION NO.:** 6593

**CONFIDENTIALITY NOTE**

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PATENT

Atty. Clk. No. AMAT/4582/CM/EP/R/KK

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:  
Hey, et al.

Serial No.: 09/853,962

Confirmation No.: 6593

Filed: May 10, 2001

For: Method and Apparatus to  
Overcome Anomalies in  
Copper Seed Layers and to  
Tune for Feature Size and  
Aspect Ratio

Group Art Unit: 1775

Examiner: Robert R. Koehler

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P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8	
I hereby certify that this correspondence and the documents referred to as attached therein are being facsimile transmitted on April 26, 2004 to the U.S. Patent and Trademark Office to the fax number indicated by the Examiner, namely, fax number 703-872-9306 to the attention of the named Examiner, on the date below.	
4/26/2004 Date	<i>[Signature]</i> Signature

### RESPONSE TO FINAL OFFICE ACTION DATED FEBRUARY 24, 2004

In response to the Final Office Action dated February 24, 2004, having a shortened statutory period for response set to expire on May 24, 2004, please enter this response and reconsider the claims pending in the application for reasons discussed below. Although Applicant believes that no additional fees are due in connection with this response, the Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/AMAT/4582/KMT, for any fees, including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper. Remarks/Arguments begin on page 5 of this paper.

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